

ABSTRACT

The invention relates to a continuous process for producing synthetic crude oil from oil bearing material, e.g., oil shale or tar sand, through continuous process for producing synthetic
5 crude oil from bituminous tar sand or shale. The process includes treating the tar sand or shale to produce a fluidizable feed, feeding the fluidizable feed to a fluidized bed reactor, and fluidizing and reacting the fluidizable feed in the fluidized bed reactor with substantially only hydrogen.